

117-560
N.88085B JXP

Nixon & Vanderhye P.C. (10/99)
(Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63)
INVENTORS DECLARATION FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ANALYSIS OF PRE-CORDIAL THUMPS FOR TREATMENT OF A CARDIAC DYSRHYTHMIA

the specification of which (check applicable box(es)):

☐ is attached hereto
☐ was filed on _____ as U.S. Application Serial No. _____ (Atty. Dkt. No. 117-560)
☒ was filed as PCT International application No. PCT/GB2004/000906 on 4 March 2004
 and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
0304908.7	GB	4 March 2003

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
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I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s):

Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
PCT/GB2004/000906	4 March 2004	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: **Customer Number 23117**, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature: <u><i>Peter Kohl</i></u>	Date: <u>19/03/2005</u>
	Inventor: Peter (first) MI KOHL (last) Germany (citizenship)	
	Residence: (city) Oxford (state/country) Great Britain	
	Mailing Address: University of Oxford, Department of Physiology, Parks Road, Oxford, Great Britain	
	(Zip Code) OX1 3PT	
2.	Inventor's Signature: <u><i>Christian Boulin</i></u>	Date: <u>19/03/2005</u>
	Inventor: Christian (first) MI BOULIN (last) Germany (citizenship)	
	Residence: (city) Heidelberg (state/country) Germany	
	Mailing Address: European Molecular Biology Laboratory, Meyerhofstrasse 1, Heidelberg, Germany	
	(Zip Code) 69117	

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4000 (to whom all communications are to be directed) and the attorneys of: **Customer Number 23117**, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

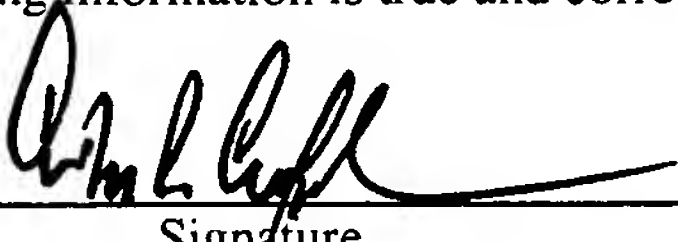
1. Inventor's Signature: X Date:
Inventor: Peter MI KOHL Germany
(first) (last) (citizenship)
Residence: (city) Oxford (state/country) Great Britain
Mailing Address: University of Oxford, Department of Physiology, Parks Road, Oxford, Great Britain
(Zip Code) OX1 3PT

2. Inventor's Signature: C. Boulin Date: 16. September 2005
Inventor: Christian MI BOULIN Germany
(first) (last) (citizenship)
Residence: (city) Heidelberg (state/country) Germany
Mailing Address: European Molecular Biology Laboratory, Meyerhofstrasse 1, Heidelberg, Germany
(Zip Code) 69117

RECORDATION FORM COVER SHEET

PATENTS ONLY

Our Ref.: 117-560

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.	
<p>1. Name of conveying party(ies):</p> <p>Peter KOHL Christian BOULIN</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: September 16, 19, 2005</p>	<p>2. Name and address of receiving party(ies):</p> <p>(1) Name: EUROPEAN MOLECULAR BIOLOGY LABORATORY Street Address: Meyerhofstrasse 1 City: Heidelberg State/Country: Germany Zip: 69117</p> <p>(2) Name: ISIS INNOVATION LIMITED Street Address: Ewert House, Ewert Place City: Summertown, Oxford State/Country: Great Britain Zip: OX2 7SG</p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. Application number(s) or patent number(s): <input type="checkbox"/> This application is being filed together with a new application.</p> <p>A. Patent Application No(s). (1) 10/547,847 (2) (3)</p> <p>B. Patent No(s). (1) (2) (3)</p> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Arthur R. Crawford</p> <p>Internal Address:</p> <p>Street Address: Nixon & Vanderhye P.C. 901 North Glebe Road 11th Floor</p> <p>City: Arlington State: VA Zip: 22203</p>	<p>6. Total number of applications & patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
DO NOT USE THIS SPACE	
<p>9. Statements and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p>Arthur R. Crawford  October 18, 2005</p> <p>Name of Person Signing Signature Date</p> <p>Reg. No. 25,327</p> <p>Total number of pages including original cover sheet, attachments, and document: [3]</p>	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

10/21/2005 ATRAN1 00000132 141140 10547847

01 FC:8021 40.00 DA

ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Peter KOHL**
Christian BOULIN

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **EUROPEAN MOLECULAR BIOLOGY LABORATORY**
(Address) (of Meyerhofstrasse 1, Heidelberg, Germany 69117 and
ISIS INNOVATION LIMITED
Ewert House, Ewert Place, Summertown, Oxford, Great Britain OX2 7SG
(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (in the invention, and all application(s) for patent and any Letters Patent which may
(Title) be granted therefor, known as
**ANALYSIS OF PRE-CORDIAL THUMPS FOR TREATMENT OF A CARDIAC
DYSRHYTHMIA (Case No. 117-560)**
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in
(U.S. appln. Serial No. 10/547,847 filed on).
The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.


The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____	Signature of inventor (_____
	Peter KOHL
Date <u>16.09.2005</u>	Signature of inventor (<u></u>
	Christian BOULIN

ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Peter KOHL**
Christian BOULIN

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **EUROPEAN MOLECULAR BIOLOGY LABORATORY**
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(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as
(Title) **ANALYSIS OF PRE-CORDIAL THUMPS FOR TREATMENT OF A CARDIAC DYSRHYTHMIA (Case No. 117-560)**
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in (U.S. appln. Serial No. 10/547,847 filed on).
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 19/09 2005 Signature of inventor (Peter Kohl
Peter KOHL
Date _____ Signature of inventor (_____
Christian BOULIN